			1. CONTRACT ID CODE	PAGE OF PAGES
AMENDMENT OF SOLICITATION/N				1 5
AMENDMENT/MODIFICATION NO.	3. EFFECTIVE DATE	4. REQUISIT	ION/PURCHASE REQ. NO.	5. PROJECT NO. (If applicable)
) 022	See Block 16C			
SSUED BY CODE		7. ADMINIST	ERED BY (If other than Item 6)	CODE
John F. Kennedy Space Center, N	JASA	7		<u> </u>
Procurement Office – ODIN – OP-				
Kennedy Space Center, FL 32899	<del>)</del>			
		<u> </u>		
. NAME AND ADDRESS OF CONTRACTOR (No.,	street, county, State, and Zip Coo	de) (x)	9A. AMENDMENT OF SOLIC	ITATION NO.
		}		
	•		9B. DATED (SEE ITEM 11)	
OAO Corporation			}	
7500 Greenway Center Drive			10A. MODIFICATION OF CO	NTRACT/ORDER NO.
Greenbelt MD 20770		-		
0.00			NACE 001441C	COOSOS
		ĺ	NAS5-98144/0	,C90303B
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		i i	10B. DATED (SEE ITEM 13)	
DDE FACILI	TY CODE		December 1, 200	
THIS ITEM ONLY APPLIES TO AMENDMENTS (	OF SOLICITATIONS	L		
*HIS ITEM APPLIES ONLY TO MODIFICATIONS  A. THIS CHANGE ORDER IS ISSUED PURS NO. IN ITEM 10A.  B. THE ABOVE NUMBERED CONTRACT/O appropriation date, etc.) SET FORTH IN ITEM  C. THIS SUPPLEMENTAL AGREEMENT IS NAS5-98144 Contract Claus Terms and Conditions-Com	OF CONTRACTS/ORDERS, IT I SUANT, TO: (Specify authority) TO RDER IS MODIFIED TO REFLECT 114, PURSUANT TO THE AUTH ENTERED INTO PURSUANT TO SE C.7 Technology Ref	THE CHANGES  CT THE ADMINIS  FOR TY OF FAR  AUTHORITY OF  Teshment I	SET FORTH IN ITEM 14 ARE MA STRATIVE CHANGES (such as a 43.103(b).	ADE IN THE CONTRACT ORDER changes in paying office,
D. OTHER (Specify type of modification and a		anges		
IMPORTANT: Contractor [ ] is not, [ X ] DESCRIPTION OF AMENDMENT/MODIFICATION				
chnology Infrastructure: SWR LS01 ange in Delivery Order Price: \$57,90	ODIN SERVIC 4700 06; SWR LS01 4	CES		
y =	,,			
ept as provided herein, all terms and conditions of the				
NAME AND TITLE OF SIGNER (Type or print)		6A. NAME AND	TITLE OF CONTRACTING OFF	
Bonnie L. Brandon		•	A. Ebright	
Director of Contracts		Delivery (	Order Contracting Offic	er -
CONTRACTOR OFFEROR	15C. DATE SIGNED 16	6B. UNITED ST	ATES OF AMERICA	16C. DATE SIGNED
MM1111/	1 84/10	+1	1-1/14/	At 3/26/2
THIMMAC	1 4/5/5 - 18	1.1///	open will	nt 2/25/02
(Signature of person authorized to sign)	1 7,70		ture of Contracting Officer)	, , , , , ,
•	30-105	ō		FORM 30 (Rev. 10-83)
'0-01-152-8070 JS EDITION UNUSABLE	30-105			

Prescribed by GSA FAR (48 CFR) 53.243 1. The purpose of this modification is to incorporate the following technology infrastructure enhancement for SSC:

OAO Proposal #	Proposal Date	Subject	Amount
LS01 4700 06 Rev 1	1/25/2002	Fiber Cable Plant Expansion to new PTMC building for LMCO	\$24,188.34
LS01 4700 08 Rev 1	1/25/2002	Data Network Expansion from B1201 to new PTMC building	\$22,024.72
P203 2N07 00	12/13/2001	Cable Plant Expansion and Network Expansion to B2119 for NASA	\$11,692.93

- 2. In accordance with Master Contract NAS5-98144, C.7, Technology Refreshment Process, the technology refreshment services referenced above and identified in the schedule, are hereby incorporated into this Delivery Order at a fixed price of \$57,905.99
- 3. Schedule: The completion and milestone dates for individual tasks are set forth in the schedule below:

OAO Proposal #	Description	Schedule
LS01 4700 06	The contractor shall provide the labor	Completed (10) ten weeks
Rev 1	(including, but not limited to, engineering,	after receipt of Modification
	configuration management, user	
	coordination/scheduling, wiring/cabling and	
	equipment installation) and materials	
	necessary to install 12mm/24sm fiber cable	
	from B1201 to new PTMC building	
LS01 4700 08	The contractor shall provide the labor	Completed (4) four weeks
Rev 1	(including, but not limited to, engineering,	after receipt of Modification
	configuration management, user	
	coordination/scheduling, wiring/cabling and	
	equipment installation) and materials	
	necessary to install (1) UMC chassis that will	
	extend the alarm, T1 and ISDN circuits from	
	B1201 to new PTMC building	

OAO Proposal #	Description	Schedule
P203 2N07 00	The contractor shall provide the labor (including, but not limited to, engineering, configuration management, user coordination/scheduling, wiring/cabling and equipment installation) and materials necessary to install (1) 24/24-fiber cable from fiber backbone rack to the network hub rack in room 213 of B2204; install (1) 6/6 plenum fiber cable from room 112 to room 120 in B2119 to be used to activate new network hub; install (1) wall mount equipment rack in room 120 of B219 to hold network hub and install (1) dual Cat5 jack above the counter in room 1`15 in B2119 to connect PCs – all in support of Ethernet switch in B2119.	Completed (10) ten weeks after receipt of Modification

4. Part II "Contract Administration Data", Item 4, is revised as indicated below to incorporate the increase of \$57,905.99 for these infrastructure upgrades:

## 4. TOTAL DELIVERY ORDER VALUE (through Mod No. 020)

Total Estimated Delivery Order Value:	\$15,352,123.81
	·
Specialized Services Actuals	\$600.00
Catalog Actuals	\$22,986.30
Seats/Service levels projected through 11/30/04	\$14,067,418.77
Sub-total	\$1,261,118.74
Less retainage not earned	(\$6,674.81)
Less credits	(\$229.96)
Sub-total	\$1,268,023.51
Infrastructure Upgrades	\$210,022.77
Specialized Services	\$0.00
Catalog Services	\$0.00
Ordered Seats/Service Levels (Attachment A)	\$1,058,000.74

## NAS5-98144/CC90303B

5. Part V "Technology Infusion (Infrastructure Upgrades)", Item 2 is modified to include the subject infrastructure upgrade. The signed date and completion date will be completed in a future infrastructure upgrade modification.

Mod. No.	Description Of Work	Date Signed	Completion Date	Modification Value
002	XJCS R491 00 Cable Plant Expansion at	12/21/01		
	PTMC Construction Site for NASA			\$2,603.05
006	PB00 C202 00 Cable Plant Expansion in	12/28/01		
	B1100 for NOAA			\$11,250.16
009	NJ00 F21AY 00 Rev 1 Cable Plant Expansion	2/8/02		
	in B1002 for NAVOCEANO			\$47,597.63
009	NJ00 F21AY 01 Cable Plant Expansion in	2/8/02		
	B1002 for NAVOCEANO			\$25,153.48
013	P203-2SWH-00 Support of PBX	2/21/02		
	System Upgrade			(\$23,500)
017	XJCS B491 00 Cable Plant Expansion to			\$2,341.24
	GM&R trailer located at PTD building site			
018	WS00 PAA2 00 Cable Plant Expansion in			\$2,673.99
	B1009 for NRLDET			
018	NM00 2R50 00 Cable Plant Expansion inB1100			\$2,128.14
	South for CNMOC			
018	P203 2N03 00 Network Expansion in B1201 for			\$3,298.44
	NASA			
018	P203 N13 00 Network Upgrade to Provide			\$4,893.72
	External Access via Internet Connection and			
	Center-Center VPN Communication			
018	85FH GV20 B0 Rev 1 Cable Plant Expansion			\$1,620.05
	to Siemens trailer located in Technology Trailer			
	Park			
020	SWRWRSN 0052 WF Cable Plant Expansion			\$26,895.07
	from B1201 to New Addition of B1002			
020	SWR P205 2N07 00 Email Virus Upgrade in			\$7,257.88
	B1201 for the SSC Network			
020	SWR WS00 PAB2 00 Cable Plant expansion in			\$2,411.20
	B1009 for NRLDET			
021	SWR P203 2N19 00 Network Expansion at			\$4,327.03
	B1201 and B1110 for NASA			
021	SWR P203 2N05 00 Network Expansion to			\$8,238.60
	SSC Backbone			
021	SWR P205 2N01 11 Network Expansion to			\$22,927.10
	Several Buildings on Site			
022	LS01 4700 06 Rev 1 Fiber Cable Plant			\$24,188.34
	Expansion to new PTMC building for LMCO			

Mod. No.	Description Of Work	Date Signed	Completion Date	Modification Value
022	LS01 4700 08 Rev 1 Data Network Expansion			\$22,024.72
	from B1201 to new PTMC building			
022	P203 2N07 00 Cable Plant Expansion and			\$11,692.93
	Network Expansion to B2119 for NASA			
	Total Dollar Value of Incorporated Infrastructure Modifications			

- 6. Payment Schedule: Invoicing and Payment for this modification will be made in accordance with Master ContractNAS5-98144, FAR 52.212-4: Commercial Items (May 1997) (Modified).
- 7. The contractor's proposals identified in this modification are hereby incorporated by reference. Where differences exist between this delivery order modification and the Contractor's proposals, this delivery order modification takes precedence.
- 8. Reporting requirements: The contractor shall provide monthly status reports to the SSC Alternate DOCOTR, with a copy to the DOCO. These reports shall include, as a minimum, installation progress, and potential problem areas.
- 9. In consideration of the modification agreed to herein as complete equitable adjustment for the changes set forth, the Contractor hereby releases the Government from any and all liability under this delivery order for further equitable adjustments attributable to such facts or circumstances giving rise to these changes.
- 10. All other terms and conditions of this Delivery Order remain unchanged and in full force and effect.